

Of genuine love and truth sincere,
With natural fondness while they burn,
Still to each other kindly turn.
And as the vital sparks decay
Together gently sibn away,
Till life's flerce ordeal being past
Their mingled ashes rest at last.

A custom still prevalent in Scotland is "pulling kale stalks." Couples Journey to the fields hand in hand, blindfolded; each the fields hand in hand, blindfolded; each person must pull the stalk that first comes to hand. The future partner is bound to be stout or slender, short or tall, according to the size of the stalk selected. The quantity of earth or turf elinging to the roots of the stalk decides the size of the dowry or fortune, while the taste of the pith determines the temper of the mate selected. Finally, the stalks are placed in a row over the door, and it is believed that the Christian names of all those who enter during the evening will be identical with those of the future life partners.

"Three Dishes," or "Luggies," is another Secotish observance still in favor in the Highlands. Two of these are filled, respectively, with clean and dirty water, the third is left empty. They are arranged in a row and placed upon the hearth. Each palpitating lover, blindfolded, advances in turn and tremblingly

dips his hand into a bowl. If it is in the clean water he will surely wed the maiden of his choice; if in the foul, a widow will fall to his lot; but if, sad fate, he strikes the empty bowl, single blessedness will be his fate for ever-

more.

There are hundreds of old customs, equally primitive, still indulged in in England, Scotland and Ireland, and many of the Halloween games that have found their way to this side of the water are modifications of these. Halloween is generally observed in the United States, but it is the New Englander, perhaps—that grim and unimaginative Puritan—who lays more store by the omens of the night when witches stalk abroad, gnomes gambol and Jack-o'-lanterns flit hither and thither o'er hill and dale and through graveyards than any other type of American.

can.

In latter years the preparations for Halloween have been far more elaborate than in the days of our grandfathers. Nowadays the parlor and dining-rooms are liberally and tastefully decorated and, as on other autumn festivals, the flowers and vegetables of this season play an important part in the color and decorative scheme. Of course, the pumpkin is the vegetable which has more possibilities

along these lines than any other, and it Is everywhere to be seen. Soup plates and platters are fashioned from them, and then, too, grotesque and weird masks can be cut from this vegetable where u

can be cut from this vegetable where a skilled carver wields the knife. Autumn leaves in the first blush of their frost-tinted glory are always brought into use and no decoration where Dame Nature wields the brush is so delicate in tint or tone than boughs of gum or oak. There is no need for an expensive outlay on flowers at this time. Cabbages draped with crepe paper make pretty fruit or flower baskets, and nothing is more beautiful at this time of the year than goldenrod. Salad dishes fashioned out of cabbages are pretty, effective and useful beautiful at this time of the year than goldenrod. Salad dishes fashloned out of cubbages are pretty, effective and useful and add a spice of autumn to the festal board which gives it just the proper tang. Of course, everybody knows that the pumpkin can be so carved as to make an ideal Jack-o'-lantern, with eyes covered with a bit of red slik through which the rays from the lighted candle within can gleam. Ropes of cranberries, popcorn and scarlet and green peppers add tremendously to the general effect, and then, too, sheaves of wheat, ears of unshucked corn, golden carrots, crimson beets and many hued apples and pears can be utilized in many ways.



Jumping the Candles

Of course, the Halloween feast must e partaken of just before or just after midnight, as there are so many games that can only be indulged in at the very stroke of 12, if tradition is adhered to and these must not be shattered if the true spirit of Halloween is to prevail. Every girl with one whit of romance in her makeup loves to be in her bondoir at 12. There, with mirror in hand, she peeps over her shoulder to see if her lover can see her face reflected in her glass of if she in turn can see him. Then too, the apple-bobbing contest and the ten he tarries; eleven he courts and twelve he marries," the chant continues. No apple is supposed to have less than 12 seeds. through with as near to the witching

through with as near to the witching hour of 12 as possible.

In bobbing for apples each apple is named. Then, when set adoat in a tub, those who are to learn their fate gather around. With their teeth they try to catch the stem of the apple, and if they succeed in bringing it from the tub they are to marry the person for whom that particular apple is named. The candle game is played with a number of little wax tapers lighted and set in a row. The candles are named and each contest ant endeavors to hop over each one, and ant endeavors to hop over each one, and on one foot. If they should sniff the light on any candle without turning it over that person for whom the candle is named will wed him or her within the

A game of our earliest childhood is that

This paring, then, in obedience to this

incantation, forms the initial of the lover Apple seeds named by some obliging friend to designate the various matri-monial possibilities are stuck on the The one remaining there the longest is the successful and constant lover. The counting of apple seeds which have been "named" is another favorite diversion. "One I love; two I love; three I love I say," chants the person who thus seeks her fate. "Four I love with all my heart and five I cast away. Six he loves; seven she loves; nine he comes; ten he tarries eleven he courted.

12 seeds.

Another charming diversion is to go into the garden and walk about, sowing hemp seed, the while chanting: "Hemp seed, I sow thee; hemp seed, I sow thee and him that is to be my true love come after me and show thee." Then, by looking over her left shoulder, she will see her future husband.

and.

If a dumb cake is desired for a charm If a dumb cake is desired for a charm the girls must meet in the kitchen between 10 and 11 o'clock. Each girl must place a handful of wheat flour upon a sheet of white paper and sprinkle it over with as much sait as she can hold between finger and thumb. Then one of the party must make them into dough, heing careful not to use spring water. Then each girl must roll her dough out into a thin, flat cake and mark her initials upon it with a new pla. The cakes having been placed before the fire, each funct take as each before her respective cake. This must all be done before 11 o'clock, and between that hour and midnight the cake can be turned once. When light the cake can be turned once. When he clock strikes 12 the husband of her the is to be married first will enter the kitchen and approaching the row of cakes he will place his band upon that part of

the cake upon which her name is scratched. Throughout the whole cere-mony not a word must be spoken, hence the name "dumb cake."

Jack O'Lantern A Pumpkin

mony not a word must be spoken, hence the name "dumb cake."

It requires a person of courage to visit a graveyard at midnight. But if anyone cares to trend among the graves "at the witching hour of night, when church-yards yawa," he may—note the word—see all the ghosts scampering from stone to stone, each trying to find his individual grave in order to be at home on the succeeding All Saints' Dey.

But when good-night is said below stairs the night's fun is not ended by any means, for many of the rites of my lady's chamber are quite as attractive as those in which the sterner sex were permitted to take part earlier in the evening. Each girl upon arriving in her boudoir should pluck two roses with long stems, naming one for herself and the other for her lover. She must then retire to her sleeping-room without speaking to anyone and kneeling beside her bed repeat the following lines, gazing, meanwhile, intently at her lover's rose:

"Twine, twine and intertwine;

Twine, twine and intertwine; Let my love be wholly thine. If his heart be deep and troe, Deeper grow his rose's hue."

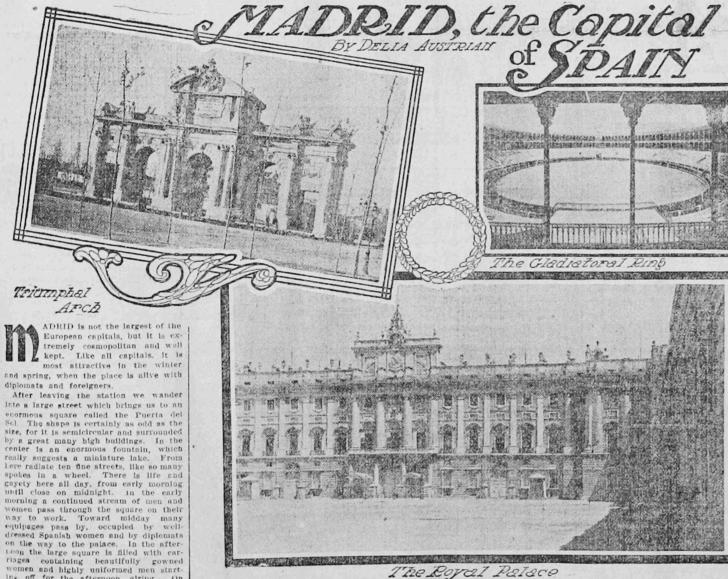
Deeper grow his rose's hue."

If her swain be faithful the color of the rose will at once grow darker and its blush more intense.

The last rite of all for the Maid of Halloween, and to many this has proved the most satisfactory and convincing test of all, is that with the glass of water. The identity of the maid's lover cannot long remain in doubt with this test carefully and well executed. A glass of water containing a small sliver of wood it placed on a little stand at the bedside. In the night she will dream of falling from a bridge into a river; but scarcely will she touch the water when her future husband, whose face she can plainly sea will leap after her and rescue her.

This done can any of us fall to believe in the Little God of Love?

All hall then to Halloween!



dressed Spanish women and by diplomats on the way to the palace. In the afterLoon the large square is filled with carriagea containing beautifully gowned women and highly uniformed men starting off for the afternoon airing. On 
pleasant afternoons it is a central place for men and women to hold informal recentions, whiling army a harm hour tecentions, whiling army a harm hour te-

for men and women to hold informal receptions, whiling away a happy hour in ingiliter and conversation.

After 6 o'clock the square is heavily crowded with representatives of all social classes, from the most exclusive nobility to the poorest working people, out for a lark and supper at one and another of the many-priced cafes. Judging from the burdreds of people who swarm the Puerta del Sol and the adjoining streets after 5 o'clock, one imagines that the city is largely filled with idlers. This is not exactly true, as in Spain all classes, from government officials to the working people, give themselves up to pleasure people, give themselves up to pleasure after 5 o'clock

each one place a nut upon the grate, naming it for a lover. If the nut jumps or eracks the maiden or swain is proved false, but if it blazes and burns merrily he or she loves. If nuts named for a boy and a girl burn together they will be married.

married.

This bit of verse may be recited when this game is in progress:

These glowing nuts are emblems true, Of what in human life we view. The ill-matched couple fret and fume, And thus in strife themselves consume

Or from each other mildly start, And with a noise forever part, But see the happy, happy pair,

This square is well named, for it means the Gafte of the Sun, and, though there is no gate, the place is bathed with sunshine. But not all the people gather there; many more go into the Aleata, a park bright with flower beds and green

canoples made by the lapping branches. canoples made by the lapping branches. Here are plenty of men and women chatting on benches and listening to the military band. Another of the popular squares is the Salon del Prado, noteworthy for the splendid obelisk of the Dos de Mayo, placed there to commenorate the Murat massacre of 1808.

One of the most popular rendezvous of the Spanish people is the Plaza Mayor, the grand square of Madrid. It is 2,450 feet above the sea. It is here one of the royal bullfights takes place, and near by

royal builfights takes place, and near by

they are built in keeping with their suroundings. The older buildings have been remodeled until they seem really modern. Attractive in spite of their age are the isolated buildings of the home offices

built by Charles III. In 1768.

Another spacious marble building, handsomely carved, is in the square called the
Prazuela de la Villa. This large building
was once a royal residence, but it is now
the home and public office of the Duques
dei Infantado.

the home and public office of the Duques del Infantado.

But there are plenty of more modern structures. Close to the obelisk is the Exchange, built of marble and stone; the ficade is ornamented by many Ionic pillars. On the opposite side is a larger marble building called the Spainone, one of the finest public buildings in Europe.

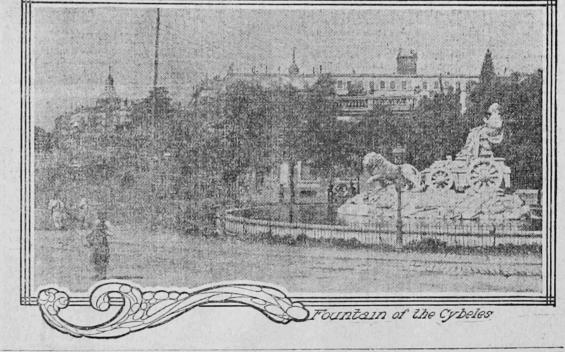
The houses in the old parts are often

worn and dingy looking; some are many centuries old. But in the newer parts such as Barriode Salamanca, the houses and apartments have much the same style and individuality that characterize our private buildings. They are far more gorgeous inside than they are without. The ceilings are beautifully thited and decorated with charming pastoral scenes. The furniture is elaborate. It is both splendidly carved and gilded. Some of it is made in the country, but a large part is imported from France. The floors are softened by beautiful rugs woren in the Moorish towns and in Persia.

woven in the Moorish towns and in Persia.

But the feature that attracts one most are the streets, in which the people promenade and make merry. They are compact, for one can drive from one end to the other in half an hour. Most of the streets are broad, excepting in the old parts, where there is still a dash of local color in the narrow, winding lanes and the hanging balconies.

The most splendid of these streets is the Prado, which is the Champs Elysees of Paris and the Mall of London. The Prado, though not long, is beautifully kept, bordered with plenty of shade trees and flanked by smaller avenues. These extend to the well-known garden of the Buen Vettro, marked at both ends by two enormous stone fountains. They are beautifully ornamented. One is surmounted by a colossal cybele seated on a shell and drawn by waterhorses. The other is a Neptune of great size. In this vicinity is the famous Church of Nuestra Senora di Atocha, rich in gifts given to Isabella after the assault of February 2, 1852.



Though the Prado is lively every pleasant afternoon, it is so crowded on fete days one can hardly pass. The street is a mass of people, carriages and horses. The peasants from the towns around mix with the nobility listening to the bands and dining in one and another of the cafes.

Another favorite center is the Plaza del Oriente, between the Royal Palace and the Royal Theater. The middle classes love to congregate and wait for the royal carriage to drive by to the theater. It is in the form of an oval and its outer promenade is ornamented with fourteen enormous statues of kings and queens. In the center of these pretty gardens is a magnificent statue of Philip IV, mounted on his charger, as becomes a king who was considered the best horseman in Spain. The statue is 40 feet helps and the reliefs on the predestal are king who was considered the best horse-man in Spain. The statue is 49 feet high, and the reliefs on the pedestal are remarkably fine. They represent, with allegorieal figures, the knighting of Velasquez by Philip IV. In the Plaza de Independence is an-other splendid adorament to the city. It is the only triumphal arch in Madrid and was designed by Sabatieno and cre-

and was designed by Sabatieno and cre-ated at the command of Charles III. to orate his entrance into Madrid. e consists of five arches and is

The gate consists of the arches and is 72 feet high.

Although Madrid cannot boast of a larger body of water than a river called the Mauzanares, it is ornamented at several points with several spliendid stone bridges. The one at the west end is a stone bridge of nine arches and is orna-mented with large buttresses and medal-lions.

At the top of the Pasco de Recoteles is a monument to Columbus in the de-based Gothic style of Ferdinand and Isabella. The sides are llefs and the whole white marble statue. The sides are ornamented with re-

In addition to the attractive boulevards and gardens ornamented with statues and fountains are the government buildings and the palaces.

A splendid building is the House

A spiendid building is the House of Commons. It is on the north side of the Plaza de la Cortes. In the center of the facade is a pediment representing Spain receiving the Law, through Power and Justice. Another building that in-vites interest, especially for strangers, is the Casa de Moneda, the mint of Spain.

is the Casa de Moneda, the mint of Spalo. The building is spacious and modern and it is fully equipped with pienty of foreign and up-to-date machinery.

More elaborate even than the House of Commons is La Casa de les Ministeros, which was built and fitted up for the secretaries of state. The grand staircase and vestibule are of rare and costly marble. The celling of the library is decorated with three exquisitely fine medal-lions.

But the Royal Palace is the main point But the Royal Palace is the main point of interest. It is the building to which strangers turn with curious gaze. It is about 420 feet long and 100 feet high, but the wings and the hanging gardens are still undinished. The base is of granite, but the trimmings are marble. The splendid entrance leads into a large court with a glazed upper gallery. It is said that when Napoleon ascended the long sweep of marble steps for the first time he exclaimed to his brother, Joseph; "Well, you are certainly housed better than I."

Though there are plenty of suites to

than I."

Though there are plenty of suites to tire the eyes, none is so beautiful as the chief salon. It is called de Embajadores, or throneroom, and the decorations are magnificent. The most priceless ernament, as well as the most beautiful are the rock crystal chandelers, heavy and very large. The curtains and draperies are of crimson velvet, which gives a warmth to

the marble and laster to the room, es pecially in the evening, when the great chandeliers are lighted.

A legitimate part of the palace is the magnificent library that boasts 100,000 books, rare manuscripts and beautiful illuminations. The Spanish are equally proud of their large collection of implements of war, housed in the armory. Though a great deal of the collection is

ments of war, housed in the armory. Though a great deal of the collection is many centuries old, the building is new and modern. The nucleus was started in the time of Charles V. But there are weapons from the time of the Spanish Armada, the Inquisition, as well as those used at the time of the landing of Columbus. The walls are covered with helmets, bows, swords and gigantic lauces. From the ceiling hang the banners of all the armies of the world, from inner Mexico to the farthest oriental countries. But it is the National Picture Gallery of which Madrid is most proud. Though the collection is comparatively small, there are a number of pictures that have a priceless value. The first room is especially noteworthy for the paintings of Luca Geordano. In the second room is a large collection of Goya, the last of the great Spanish painters. In the third, which is a large square, are the master-pieces of the great masters. Here are seen the lovellest of the Virgins of Murillo, and on another wall the portraits of the saints of Ribera. In the center of the room are the pictures of Raphael, Michael Angelo, Titlan and other great Italian painters. But of the Spanish masters, Murillo and Goya are especially popular. Murillo street waifs, happy in their poverty, are always loved; while Goya is at his beat with peasant scenes, representing snugglers, massacres, theves, wars, etc.

Madrid, indeed, has much to be proud of.

CAN CHANGE IRON INTO STEEL.

## FRENCH SCIENTISTS STUDY FISHING.

BE average person tucks his fishing pole over his shoulder and goes off to forget serious matters, but the French government is now busily studying fishing from a scientific standpoint. The fish which is now being pored over by scientists is the toothsome sardine. Off the Brittany Coast for ceuturies the French fisherfolk have caught sardines by the milliards.

But lately the sardine has shown him. But lately the sardine has shown him Eshing industry in Brittany found that that the fish catching the situation and to try and discover if there is any way of attracting the delicious sartines. The serted. Thousands of familles left the district, scores of mills or fish factories

GERMAN named Kallman is astonarding Enrope with scientific results obtained in a new process for changing low-grade from into first-class steel. The experts who have offered a vast sum for the British rights to the new process.

The real secret of the process lies in a certain peculiar chemical power whose ingredients are so far anknown to the public.

Most marvelous of all is the fact that models of machinery have been worked up in low-grade from and coated with the powder. After being put into an air-

end and graduated to the other end with

end and graduated to the other end with a conting of steel of regularly decreasing thickness.

The possibilities of this wonderful powder are tremendous, because tools can be cast as iron and afterward converted ifto first-class steel. Objects can be made in iron where flexibility is necessary and then changed into steel at wearing points or at points of contact. The scientific men and engineers who have witnessed the performances of this secret powder have been dumbfounded at the results obtained and the British government is said to be negotiating for the rights for osa it has producing guns and warships.